

**Ecological Characteristics of Some Agricultural Insecticides  
Commonly Used in Arkansas**

Insecticide (common name)	Relative Toxicity <sup>a</sup> to:		
	Fish	Birds	Bees
abamectin (Agri-Mek)	VH	VL	VH
Acephate (Orthene)	VL	M	H
acetamiprid (Intruder)		M	M
aldicarb (Temik)	M	VH	VL
Azadirachtin	H	NT	VL
Azinphosmethyl (Guthion)	VH	H	VH
<i>Bacillus thuringiensis</i> (DiPel)	NT	NT	NT
Bifenthrin (Brigade)	VH	M	VH
Buprofezine (Applaud)	NT	NT	VL
Carbaryl (Sevin)	M	L	VH
Carbofuran (furadan)	H	H	VH
Chlorantraniliprole (Prevathon, Coragen)		VL	L
Chlorpyrifos (Lorsban-Dursban)	VH	H	H
chlorpyrifos-methyl/deltamethrin (Storcide II)		VL	VH
chlothianidin (Belay)	H	L	H
cyfluthrin (Tombstone)	VH	L	VH
cypermethrin (Ammo)	VH	VL	VH
deltamethrin	VH	H	VH
dicofof	VH	M	VL
dicrotophos	M	VH	VH
diflubenzuron	VL	VL	NT
Dimethoate (Cygon)	M	H	M
Dindotefuran (Tenchu)		L	H
disulfoton (Di-Syston)		H	VH
endosulfan (Thionex)	VH	H	M
Esfenvalerate (Asana)	VH	H	L
etoxazole (Zeal)		VL	VL
fenpropathrin (Danitol)	VH	M	VH
fenpyroximate (Portal)		VL	L
fipronil (Regent)		L	VH
Flubendiamide (Belt)		VL	VL
Fionicamid (Carbine)	VL	L	L
Imidacloprid (Trimax, Admire, Alias, etc.)		L	VH
indoxacarb (Steward)		M	H
lambda-cyhalothrin	VH	L	VH
Malathion	M	H	H
metaldehyde		H	L
methiocarb (Mesurol)		H	H
Methomyl (Lannate)	M	H	H
Methoxyfenozide (Intrepid)	M	L	L
novaluron (Diamond)		L	M
oxamyl (Vydate)	M	VH	VH
Permethrin (Ambush, Pounce, etc.)	VH	H	L
Phorate (Thimet)	VH	VH	VL
Phosmet (Imidan)	VH	VH	VL
pirimifos-methyl (Actellic)		H	VH
Propargite (Comite)	VH	L	L
Spinosad (Tracer, Spintor)	L	L	VH
Spiromesifen (Oberon)			L
Tebufozide (Confirm)	M	L	L
Tefluthrin	VH	H	L
Terbufos (Counter)	VH	M	H
Thiamethoxam (Centric, Cruiser)		L	H
Thiodicarb (Larvin)	M	M	L

<sup>a</sup>VL=very low; L=low; M=moderate; H=high; VH=very high; NT=no evidence of acute or chronic toxicity.

**TRADE NAMES OF GENERIC INSECTICIDES**

Active Ingredient	Trade Names
abamectin	Abba, Abacus, AbamectinE, Agri-Mek, Avid, Clinch, Epi-Mek, Flora-Mek, Reaper, Temprano, Varsity, Zephyr, Zoro
acephate	Acephate, Bracket, Orthene, Avatar
acetamiprid	Assail, Intruder, Tristar, Strafer, Anarchy, ArVida
beta-cyfluthrin	Baythroid XL
bifenthrin	Bifenthrin AG, Bifenture, Bisect, Brigade, Capture, Discipline, Empower, Fanfare, Menace, Onyx, Sniper, Talstar, Tundra, UpStar, Wisdom
buprofezin	Applaud, Centaur, Courier, Talus
chlorpyrifos	Chlorpyrifos, Govern, Hatchet, Lock-On, Lorsban, Nufos, Warhawk, Whirlwind, Yuma, Eraser, Pilot, CPF, Vulcan
chlothianidin	Belay, Clutch, Poncho, NipsIt Inside, Arena
cyfluthrin	Decathlon, Renounce, Tempo, Tombstone, Sultrus
cypermethrin	Ammo, Battery, Cypermethrin, Mustang, UP-Cyde, Cyper-G, Holster
deltamethrin	Chipco Choice, Chipco FireStar, DeltaDust, DeltaGard, Delta Gold, Over 'n Out!, Shooter, Top Choice, Battalion, Centynal, Suspend
esfenvalerate	Adjourn, Asana XL, S-FenvaloSta, Zyrate
gamma-cyhalothrin	Declare, Proaxis, Prolex
lambda-cyhalothrin	Battle, Grizzly, Helena Lambda, Kaiso, Karate, Karate Z, Lambda T, Lambda-Cy, Lambda-Cyhalothrin, LambdaStar, Mystic Z, Silencer, Taiga Z, Warrior II, Warrior Z, Kendo, Jitzu, Lamcap, Paradigm, Province, Ravage, Ballista
imidacloprid	Admire, Advise, Advise Max, Alias, Couraze, Couraze Max, Imida E, Imidacloprid, ImiGold, Macho, Merit, Montana, Nuprid, Pasada, Prey, Provado, Provoke, S-Cloprid, Sherpa, Trimax Pro, Widow, Wrangler, Zenith
malathion	Fyfanon, Malathion
permethrin	Actroban, Ambush, Arctic, Astro, Ectiban, Permectrin, Permethrin, Perm-UP, Pounce
pyriproxyfen	Distance, Esteem, Knack, Seize
spinosad	Blackhawk, Conserve, Entrust, SpinTor, Success, Tracer, Contain, Sensat
zeta-cypermethrin	Mustang Maxx, Respect